

What Is Claimed Is:

1. A method of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure, the method comprising the steps of:
 - deciding whether an item is optionally selected out of the hierarchically structured OSD menu items;
 - deciding whether a user menu registration button for the optionally selected item is pressed;
 - registering the selected menu with the user menu by adding an index to the currently selected item once the user menu registration button is properly pressed;
- 10 displaying the registered user menu on an OSD menu if a user view menu is established; actuating a corresponding menu item when an optional item is selected among the user menu; and
 - deleting a menu item from the user menu if a deletion button is pressed on an optionally selected item out of the user menu.
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2. A method of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure of claim 1, wherein said user menu is setting if the user select 'main source' using the remote control.
- 20 3. A method of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure of claim 1, wherein the user select 'special' item among the initial OSD menu using the remote control, then the hierarchically structured OSD menu is displayed.
- 25 4. A method of composing a user menu for displaying On Screen Display (OSD) menu

with a hierarchical structure of claim 1, wherein when the user menu displayed the user can choose certain item.

5. A method of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure of claim 1, wherein said registering a specific user menu ; the user presses the ‘user menu registration’ button on the remote control, microcomputer detect the user pressed, and stores index data on the corresponding item into the user menu domain.

- 10 6. A method of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure of claim 1, wherein a user can delete any item from the user menu at any time by deletion button on the remote control.

- 15 7. A method of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure of claim 1, wherein a user can be optionally composed of display position of the user menu screen, size and color.

- 20 8. A method of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure of claim 1, wherein if the user wishes to see detailed items of ‘main source’ presses confirm key the cursor of the remote control.

- 25 9. An apparatus of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure, a graphics processing unit for graphically processing the OSD menu, a memory for storing index data on the OSD menu to provide the data to the graphics processing unit,

a microcomputer for displaying the OSD menu or the user menu on the screen by controlling the said graphics processing unit.

10. An apparatus of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure of claim 9, wherein said graphics processing unit display the user menu on the screen.
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11. An apparatus of composing a user menu for displaying On Screen Display (OSD) menu with a hierarchical structure of claim 9, wherein graphics processing unit said
- 10 microcomputer includes a remote control signal receiving circuit.